

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/052562

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L29/78 H01L29/08 H01L29/41 H01L29/423 H01L29/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 168 455 A (KABUSHIKI KAISHA TOSHIBA) 2 January 2002 (2002-01-02) cited in the application page 4, paragraph 19 - page 7, paragraph 54; figures 1-13, 14A-14C, 15A-15B page 9, paragraph 87 - paragraph 90; figures 25-27 page 1, paragraph 1 - paragraph 3	1-14
A	US 2002/036319 A1 (BALIGA B J) 28 March 2002 (2002-03-28) page 5, paragraph 39 - page 6, paragraph 42; figure 3A page 7, paragraph 52 - page 8, paragraph 58; figures 4A-4K page 9, paragraph 65 - page 10, paragraph 74; figures 8, 9A-9H	1, 5, 6, 9-11, 13
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

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- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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B document member of the same patent family

Date of the actual completion of the international search

22 June 2005

Date of mailing of the international search report

04/07/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	ONDA S ET AL: "SIC INTEGRATED MOSFETS" PHYSICA STATUS SOLIDI (A). APPLIED RESEARCH, BERLIN, DE, vol. 162, no. 1, 16 July 1997 (1997-07-16), pages 369-388, XP008039086 ISSN: 0031-8965 paragraph 2; figure 1 -----	1,2,11
A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 486 (E-1143), 10 December 1991 (1991-12-10) & JP 03 211885 A (MATSUSHITA ELECTRON CORP), 17 September 1991 (1991-09-17) abstract; figures 1,2 -----	1,3

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Information on patent family members

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